

**SCORE Search Results Details for Application 10552515 and Search Result 20090316\_112342\_us-10-552-515-2.rni.**

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OM nucleic - nucleic search, using sw model

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20454.958 Million cell updates/sec

Title: US-10-552-515-2  
Perfect score: 3308  
Sequence: 1 aaaagatagatcctgctcca.....acctggtgaccttcgaatgt 3308

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 9875436 seqs, 3558593875 residues

Total number of hits satisfying chosen parameters: 19750872

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA:\*

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- 2: /ABSS/Data/CRF/ptodata/1/ina/5\_COMB.seq:\*
- 3: /ABSS/Data/CRF/ptodata/1/ina/6A\_COMB.seq:\*
- 4: /ABSS/Data/CRF/ptodata/1/ina/6B\_COMB.seq:\*
- 5: /ABSS/Data/CRF/ptodata/1/ina/7A\_COMB.seq:\*
- 6: /ABSS/Data/CRF/ptodata/1/ina/7B\_COMB.seq:\*
- 7: /ABSS/Data/CRF/ptodata/1/ina/7C\_COMB.seq:\*
- 8: /ABSS/Data/CRF/ptodata/1/ina/7D\_COMB.seq:\*
- 9: /ABSS/Data/CRF/ptodata/1/ina/HA\_COMB.seq:\*
- 10: /ABSS/Data/CRF/ptodata/1/ina/HB\_COMB.seq:\*
- 11: /ABSS/Data/CRF/ptodata/1/ina/PCTUS\_COMB.seq:\*
- 12: /ABSS/Data/CRF/ptodata/1/ina/PP\_COMB.seq:\*
- 13: /ABSS/Data/CRF/ptodata/1/ina/RE\_COMB.seq:\*
- 14: /ABSS/Data/CRF/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	% Query				ID	Description
	Score	Match	Length	DB		
1	461	13.9	13243	6	US-10-741-601-5735	Sequence 5735, Ap
2	461	13.9	13243	8	US-10-741-600-17879	Sequence 17879, A
3	461	13.9	14172	6	US-10-741-601-5626	Sequence 5626, Ap
4	461	13.9	14172	8	US-10-741-600-17603	Sequence 17603, A
c 5	460.6	13.9	101046	6	US-10-741-601-5689	Sequence 5689, Ap
c 6	460.6	13.9	101046	8	US-10-741-600-17753	Sequence 17753, A
7	432.8	13.1	4509	8	US-10-912-745B-698	Sequence 698, App
8	325.6	9.8	3052	5	US-10-342-887-1730	Sequence 1730, Ap
9	301.6	9.1	3898	3	US-10-104-047-604	Sequence 604, App
10	286.6	8.7	2736	3	US-10-104-047-571	Sequence 571, App
11	252.6	7.6	2118	5	US-10-108-260A-2040	Sequence 2040, Ap
12	239.2	7.2	2158	5	US-10-108-260A-1547	Sequence 1547, Ap
13	216.2	6.5	1282	3	US-09-270-767-13982	Sequence 13982, A
14	170.8	5.2	2293	3	US-10-104-047-1146	Sequence 1146, Ap
15	157.2	4.8	2371	7	US-10-100-683-1599	Sequence 1599, Ap
16	157.2	4.8	2371	7	US-11-001-793-1599	Sequence 1599, Ap
c 17	128.6	3.9	201	6	US-10-741-601-19564	Sequence 19564, A
c 18	128.6	3.9	201	8	US-10-741-600-53300	Sequence 53300, A
19	125	3.8	969	3	US-09-188-930-11	Sequence 11, Appl
20	125	3.8	969	3	US-09-312-283C-11	Sequence 11, Appl
21	121.8	3.7	656	3	US-09-270-767-30062	Sequence 30062, A
22	104	3.1	1803	3	US-09-774-528-294	Sequence 294, App
23	104	3.1	1803	3	US-10-120-988-294	Sequence 294, App
24	99.2	3.0	910	8	US-10-098-754-19306	Sequence 19306, A
25	71.8	2.2	842	3	US-09-154-750A-72	Sequence 72, Appl
26	70.2	2.1	571	3	US-09-270-767-187	Sequence 187, App
27	70.2	2.1	571	3	US-09-270-767-15469	Sequence 15469, A
28	70	2.1	201	8	US-10-741-600-64183	Sequence 64183, A
29	66.6	2.0	394468	8	US-10-741-600-17952	Sequence 17952, A
30	66	2.0	653	3	US-09-533-559-5580	Sequence 5580, Ap
31	66	2.0	653	5	US-10-653-047-5580	Sequence 5580, Ap
c 32	65.4	2.0	11287	14	5523089-36	Patent No. 5523089
33	64.6	2.0	11287	14	5523089-36	Patent No. 5523089
c 34	61	1.8	2846	7	US-09-815-264-90691	Sequence 90691, A
35	60.8	1.8	201	6	US-10-741-601-23608	Sequence 23608, A
36	60.8	1.8	201	8	US-10-741-600-64182	Sequence 64182, A
37	58.2	1.8	7218	2	US-08-232-463-14	Sequence 14, Appl
38	56.8	1.7	1926	3	US-09-249-585A-4	Sequence 4, Appli
39	56.8	1.7	1931	2	US-09-130-114-2	Sequence 2, Appli
40	56	1.7	1146	3	US-09-270-767-624	Sequence 624, App
41	56	1.7	1146	3	US-09-270-767-15906	Sequence 15906, A
42	55.6	1.7	3453	3	US-10-101-464A-861	Sequence 861, App
c 43	55.4	1.7	58408	7	US-09-815-264-81539	Sequence 81539, A
44	55.2	1.7	125401	5	US-10-203-295-35	Sequence 35, Appl
45	55	1.7	1320	3	US-09-902-540-8133	Sequence 8133, Ap

## ALIGNMENTS

## RESULT 1

US-10-741-601-5735

; Sequence 5735, Application US/10741601

; Patent No. 7306913

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001500

; CURRENT APPLICATION NUMBER: US/10/741,601

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 26415

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 5735

; LENGTH: 13243

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: (1)...(13243)

; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)

US-10-741-601-5735

Query Match 13.9%; Score 461; DB 6; Length 13243;

Best Local Similarity 100.0%; Pred. No. 1.5e-87;

Matches 461; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	2848	AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC	2907
Db	7463	AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC	7522
Qy	2908	GCCTGGAAGGACATCTGGTGGTCTCTAGGGGAGTGGCCCTCTGAGCCCTGCGAGCAGC	2967
Db	7523	GCCTGGAAGGACATCTGGTGGTCTCTAGGGGAGTGGCCCTCTGAGCCCTGCGAGCAGC	7582
Qy	2968	GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCTCA	3027
Db	7583	GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCTCA	7642
Qy	3028	TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA	3087
Db	7643	TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA	7702
Qy	3088	CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCA	3147
Db	7703	CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCA	7762
Qy	3148	GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGTCCCTCGGTGGCTCCCCAGG	3207
Db	7763	GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGTCCCTCGGTGGCTCCCCAGG	7822
Qy	3208	CCCCTGGACACGACAGTTCTCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC	3267

Db 7823 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTTGGTGCTCGCCGCCCTGGC 7882

Qy 3268 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308  
 |||

Db 7883 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 7923

## RESULT 2

US-10-741-600-17879  
 ; Sequence 17879, Application US/10741600  
 ; Patent No. 7482117  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001499  
 ; CURRENT APPLICATION NUMBER: US/10/741,600  
 ; CURRENT FILING DATE: 2003-12-22  
 ; NUMBER OF SEQ ID NOS: 73997  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 17879  
 ; LENGTH: 13243  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)...(13243)  
 ; OTHER INFORMATION: (n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2))  
 US-10-741-600-17879

Query Match 13.9%; Score 461; DB 8; Length 13243;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-87;  
 Matches 461; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2848 AGCTCAGCTCCCACCTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2907  
 |||

Db 7463 AGCTCAGCTCCCACCTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 7522

Qy 2908 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCTCCTGAGCCCTGCGAGCAGC 2967  
 |||

Db 7523 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCTCCTGAGCCCTGCGAGCAGC 7582

Qy 2968 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGTGCTGTGTGTGCTCA 3027  
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Db 7583 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGTGCTGTGTGTGCTCA 7642

Qy 3028 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA 3087  
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Db 7643 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA 7702

Qy 3088 CTCCATCCCCGGCAGGGAGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCA 3147  
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Db 7703 CTCCATCCCCGGCAGGGAGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCA 7762

Qy 3148 GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGTCCCTCGGTGGCCTCCCCAGG 3207  
 |||

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Db          7763 GACATAAGCCCAAGGGGCCCTGCACCCAAGGACCGCTGTCCTCGGTGGCCTCCCCAGG 7822
Qy          3208 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTTGGTGCTCGCCGCCCTTGGC 3267
          |||
Db          7823 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTTGGTGCTCGCCGCCCTTGGC 7882
Qy          3268 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
          |||
Db          7883 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 7923

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## RESULT 3

US-10-741-601-5626

; Sequence 5626, Application US/10741601

; Patent No. 7306913

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001500

; CURRENT APPLICATION NUMBER: US/10/741,601

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 26415

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 5626

; LENGTH: 14172

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: (1)...(14172)

; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)

US-10-741-601-5626

Query Match 13.9%; Score 461; DB 6; Length 14172;

Best Local Similarity 100.0%; Pred. No. 1.6e-87;

Matches 461; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          2848 AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2907
          |||
Db          2831 AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2890
Qy          2908 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGCCCTCCTGAGCCCTGCGAGCAGC 2967
          |||
Db          2891 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGCCCTCCTGAGCCCTGCGAGCAGC 2950
Qy          2968 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCCTCA 3027
          |||
Db          2951 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCCTCA 3010
Qy          3028 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCGCGCTTCTCTCTCAGAGCGCCTGTCA 3087
          |||
Db          3011 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCGCGCTTCTCTCTCAGAGCGCCTGTCA 3070
Qy          3088 CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCA 3147
          |||

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Db      3071 CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTCGTCCCA 3130
Qy      3148 GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGTCCCTCGGTGGCCTCCCCAGG 3207
        |||
Db      3131 GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGTCCCTCGGTGGCCTCCCCAGG 3190
Qy      3208 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC 3267
        |||
Db      3191 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC 3250
Qy      3268 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
        |||
Db      3251 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3291

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## RESULT 4

US-10-741-600-17603

; Sequence 17603, Application US/10741600

; Patent No. 7482117

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001499

; CURRENT APPLICATION NUMBER: US/10/741,600

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 73997

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 17603

; LENGTH: 14172

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: (1)...(14172)

; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)

US-10-741-600-17603

Query Match 13.9%; Score 461; DB 8; Length 14172;

Best Local Similarity 100.0%; Pred. No. 1.6e-87;

Matches 461; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      2848 AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2907
        |||
Db      2831 AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2890
Qy      2908 GCCTGGAAGGACATCTGGTGGTCTTAGGGGAGTGGCCCCCTCTGAGCCCTGCGAGCAGC 2967
        |||
Db      2891 GCCTGGAAGGACATCTGGTGGTCTTAGGGGAGTGGCCCCCTCTGAGCCCTGCGAGCAGC 2950
Qy      2968 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGTGTTGTGCCTCA 3027
        |||
Db      2951 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGTGTTGTGCCTCA 3010
Qy      3028 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCTCAGAGCGCCTGTCA 3087
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Db      3011 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCGCGCTTCTCTCCTCAGAGCGCCTGTCA 3070
Qy      3088 CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCA 3147
        |||||||
Db      3071 CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCA 3130
Qy      3148 GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCGCTGTCCCTCGGTGGCCTCCCCAGG 3207
        |||||||
Db      3131 GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCGCTGTCCCTCGGTGGCCTCCCCAGG 3190
Qy      3208 CCCCTGGACACGACAGTTCTCTCCTCAGGCAGGTGGGCTTTTGGTGCTCGCCGCCCTGGC 3267
        |||||||
Db      3191 CCCCTGGACACGACAGTTCTCTCCTCAGGCAGGTGGGCTTTTGGTGCTCGCCGCCCTGGC 3250
Qy      3268 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
        |||||||
Db      3251 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3291

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## RESULT 5

US-10-741-601-5689/c

; Sequence 5689, Application US/10741601

; Patent No. 7306913

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001500

; CURRENT APPLICATION NUMBER: US/10/741,601

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 26415

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 5689

; LENGTH: 101046

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: (1)...(101046)

; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)

US-10-741-601-5689

Query Match 13.9%; Score 460.6; DB 6; Length 101046;

Best Local Similarity 99.8%; Pred. No. 3.1e-87;

Matches 460; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy      2848 AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2907
        |||||||
Db      97821 AGCTCAGCTCCCACTGGACACCCCTTCACRGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 97762
Qy      2908 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGCCCTCCTGAGCCCTGCGAGCAGC 2967
        |||||||
Db      97761 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGCCCTCCTGAGCCCTGCGAGCAGC 97702
Qy      2968 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA 3027
        |||||||

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Db      97701  GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA 97642
Qy      3028   TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA 3087
          |||||||
Db      97641  TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA 97582
Qy      3088   CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCA 3147
          |||||||
Db      97581  CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCA 97522
Qy      3148   GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCGCTGTCCTCGGTGGCCTCCCCAGG 3207
          |||||||
Db      97521  GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCGCTGTCCTCGGTGGCCTCCCCAGG 97462
Qy      3208   CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC 3267
          |||||||
Db      97461  CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC 97402
Qy      3268   CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
          |||||||
Db      97401  CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 97361

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## RESULT 6

US-10-741-600-17753/c

; Sequence 17753, Application US/10741600

; Patent No. 7482117

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001499

; CURRENT APPLICATION NUMBER: US/10/741,600

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 73997

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 17753

; LENGTH: 101046

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: (1)...(101046)

; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)

US-10-741-600-17753

Query Match 13.9%; Score 460.6; DB 8; Length 101046;

Best Local Similarity 99.8%; Pred. No. 3.1e-87;

Matches 460; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy      2848   AGCTCAGCTCCCACTGGACACCCCTTACAGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2907
          |||||||
Db      97821  AGCTCAGCTCCCACTGGACACCCCTTACAGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 97762

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Qy      2908   GCCTGGAAGGACATCTGGTGGTCTTAGGGGAGTGCCCTCTGAGCCCTGCGAGCAGC 2967
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Db	97761	GCCTGGAAGGACATCTGGTGGTCTCTAGGGGAGTGGCCCTCCTGAGCCCTGCGAGCAGC	97702
Qy	2968	GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA	3027
Db	97701	GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA	97642
Qy	3028	TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA	3087
Db	97641	TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA	97582
Qy	3088	CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTGTGTTTCTGCTCCCA	3147
Db	97581	CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTGTGTTTCTGCTCCCA	97522
Qy	3148	GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCGTGTCCCTCGGTGGCCTCCCCAGG	3207
Db	97521	GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCGTGTCCCTCGGTGGCCTCCCCAGG	97462
Qy	3208	CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC	3267
Db	97461	CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC	97402
Qy	3268	CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT	3308
Db	97401	CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT	97361

## RESULT 7

US-10-912-745B-698

; Sequence 698, Application US/10912745B

; Patent No. 7473531

; GENERAL INFORMATION

; APPLICANT: DOMON, Bruno et al.

; TITLE OF INVENTION: Pancreatic Cancer Targets and Uses

; TITLE OF INVENTION: Thereof

; FILE REFERENCE: CL001538

; CURRENT APPLICATION NUMBER: US/10/912,745B

; CURRENT FILING DATE: 2004-08-06

; NUMBER OF SEQ ID NOS: 875

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 698

; LENGTH: 4509

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-912-745B-698

Query Match 13.1%; Score 432.8; DB 8; Length 4509;  
 Best Local Similarity 55.5%; Pred. No. 1.2e-81;  
 Matches 977; Conservative 0; Mismatches 747; Indels 36; Gaps 6;

Qy	841	AGGACACCTTCTTACAAAGCACCAAGAGGCACCAAATCTGTTTGAATCCTGGCCAAGA	900
Db	875	AGGATTCTTTTTCGACAGCAAAACCGGAGCAGGATTGTCTATGAGATCTTGAAGAGAA	934
Qy	901	CCCCGTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGTG	960

Db	935	CGACGTGTACAAAGGCCAAGTACAGCATG---GGCATCACGAGCCTGCTGGCCAATGGTG	991
Qy	961	TCCTCAGTGCCGCCTTCCCCTGCATGACGGCCCTTCAAGACGCCCCAGAGGGCCCGC	1020
Db	992	TGTACGCGGCTGCATACCCACTGCACGATGGAGACTACAACGGTGAAAACGTCGAGT---	1048
Qy	1021	AGGCTCCACGCCTCAACCAGCGCCAAGTCCTTTTCCAGCAGCTGGGCGCGCTGGGCAAGT	1080
Db	1049	-----TCAACGACAGAAAACCTCCTGTACGAAGATGGGCACGCTATGGAGTTT	1096
Qy	1081	GGAACAAGTACCAGCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCT	1140
Db	1097	TCTATAAGTACCAGCCCATCGACCTGGTCAGGAAGTATTTTGGGGAGAAGATCGCGCTGT	1156
Qy	1141	ACTTCGCCTGGCTCGGGTTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACAC	1200
Db	1157	ACTTCGCCTGGCTGGGCGTGTACACCAGATGCTCATCCTCGCTCCATCGTGGGAATCA	1216
Qy	1201	TGGTGTCTCTGGTGGGCTGCTTCTGTGTGTTCTCAGACATACCCACGCAGGAACGTGTG	1260
Db	1217	TTGTCTTCTGTACGGATGCGCCACCATGGATGAAAACATCCCCAGCATGGAGATGTGTG	1276
Qy	1261	GCAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCTTCGA---CTGCCCTTTCTGGCTGC	1317
Db	1277	ACCAGAGACACAATATCACCATGTGCCCGCTTTCGACAAAGACCTGCAGCTACTGGAAGA	1336
Qy	1318	TCTCCAGCGCCTGTGCCCTGGCCAGGCCGGCCGGCTGTTTCAGCACGGCGGCACCGTGT	1377
Db	1337	TGAGCTCAGCTGCGCCACGGCCCGCCAGCCACCTCTTCGACAAACCCGCCACGGTCT	1396
Qy	1378	TCTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTGCTGCTGGAGTACTGGAAGCGGAAGA	1437
Db	1397	TCTTCTCTGTCTTCATGGCCCTCTGGGCTGCCACCTTCATGGAGCACTGGAAGCGGAAAC	1456
Qy	1438	GCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGAGAGGCCTC	1497
Db	1457	AGATGCGACTCAACTACCGCTGGGACCTCACGGGCTTGAAGAGGAAGAGGATCATCCTA	1516
Qy	1498	GGCCCCAGTTTGCCGCCTCAGCCCCATGACAGCCCCGAA-----CCCCATCAGCG	1548
Db	1517	GAGCTGAATACGAAGCCAGAGTCTTGGAGAAGTCTCTGAAGAAAGAGTCCAGAAACAAAG	1576
Qy	1549	GTGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCCGCATGCTGGCCGGCTCTG	1608
Db	1577	AGACTGACAAAGTGAAGCTGACATGGAGAGATCGGTTCCACGCTACCTCACTAACTTGG	1636
Qy	1609	TGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCCTCGTGCTATCATCTGTACC	1668
Db	1637	TCTCCATCATCTTCATGATTGACAGTGACGTTTGCCATCGTCTCGGCGTCATCATCTACA	1696
Qy	1669	GTGCCATCATGGCCATCGTGGTGTCAGGTGCGGGCAACACCCCTTCGCGAGCTGGGCCT	1728
Db	1697	GAATCTCATGGCCGCGCCTTGCCATGAACTCCTCCCCCTCGGTGCGGTCCAACATCC	1756
Qy	1729	CTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTCATCCTCATCTCTCCA	1788

Db 1757 GGGTCACAGCTACAGCCACCCGAGTCATCATCAACCTAGTGGTCATCATCTCTGGAGC 1816

Qy 1789 AGATCTATGTATCCCTGGCCACGTCCTGACACGATGGGAAATGCACCGCACCCAGACCA 1848

Db 1817 AGGTGTATGGCTGCATAGCCCGATGGCTCACCAAGATCGAGGTCCCAAAGACGGAGAAAA 1876

Qy 1849 AGTTCGAGGAGCGCCTTCAACCTCAAGGTGTTTCATCTTCCAGTTTCGTAACCTTCTACTCCT 1908

Db 1877 GCTTTGAGGAGAGGCTGATCTTCAAGGCTTTCCTGCTGAAGTTTGTGAATTCTACACCC 1936

Qy 1909 CACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTAC---C 1965

Db 1937 CCATCTTTTACGTGGCGTTCTTCAAAGGCCGGTTTGTGGACGCCGGGCGACTACGTGT 1996

Qy 1966 ACACCTTGTTTGGAGTCCGCAATGAGGAGTGC GCGGCTGGAGGCTGCCTGATCGAGCTGG 2025

Db 1997 ACATTTTCCGTCTCTCCGAATGGAAGAGTGTGCGCCAGGGGCTGCCTGATGGAGCTAT 2056

Qy 2026 CACAGGAGCTCCTGGTCATCATGCTGGGCAAGCAGGTCATC---AACCAATGCAGGAGG 2082

Db 2057 GCATCCAGCTCAGCATCATCATGCTGGGGAACAGCTGATCCAGAACAACCTGTTTCGAGA 2116

Qy 2083 TCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCGGCTTCGCTCCAAGAAGAGGA 2142

Db 2117 TCGGCATCCCGAAGATGAAGAAGCTCATCCGCTACCTGAAGCTGAAGCAGCAGAGCCCC 2176

Qy 2143 AGGCGGGAGCTTCTGCGAGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGC 2202

Db 2177 CTGACCACGAGGAGTGTGTGAAGAGGAAACAGCGGTACGAGGTGGATTACAACCTGGAGC 2236

Qy 2203 CCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTGTGAGTTTCGGCTTCGTCACCA 2262

Db 2237 CCTTCGCGGGCTCACCCAGAGTACATGGAAATGATCATCCAGTTTGGCTTCGTCACCC 2296

Qy 2263 TCTTCGTGGCGCCTGTCGCTCGCGCCGCTCTTCGCCCTGCTCAACAACCTGGGTGGAGA 2322

Db 2297 TGTTTGTGCGCTCCTTCCCCCTGGCCCCACTGTTTGCCTGCTGAACAACATCATCGAGA 2356

Qy 2323 TCCGCTTGGACGCGCGCAAGTTTCGTCTGCGAGTACCGGCGCCCTGTGGCCGAGCGCGCC 2382

Db 2357 TCCGCTGGACGCCAAAAAGTTTGTCACTGAGCTCCGAAGGCGGCTAGCTGTGAGAGCA 2416

Qy 2383 AGGACATCGGCATCTGGTTCACATCTCGCGGGCCTCACGCACCTGGCGGTTCATCAGCA 2442

Db 2417 AAGACATCGGAATCTGGTACAAATCTCTCAGAGGCATTGGGAAGCTTGTCTGTCATCATCA 2476

Qy 2443 ACGCCTTCTCTGGCCTTCTGCTCCGACTTCTGCGCGCGCCTACTACCGGTGGACCC 2502

Db 2477 ATGCCCTTCGTGATCTCCTTACGTCTGACTTCATCCCGCGCCTGGTGTACCTCTACATGT 2536

Qy 2503 GCGCCACGAGCTGCGGGCTTCTCTCAACTTCACGCTGGCGCGAGCCCGTCTCTCTCG 2562

Db 2537 ACAGTAAGAACGGGACCATGCACGGCTTCGTCAACCACACCCCTCTCTCTCTCAACGTCA 2596

Qy 2563 CCGCCGCGCACAAACGCACG 2582

Db 2597 GTGACTTCCAGAACGGCAGC 2616

## RESULT 8

US-10-342-887-1730

; Sequence 1730, Application US/10342887

; Patent No. 7171311

; GENERAL INFORMATION:

; APPLICANT: Dai, Hongyue

; APPLICANT: He, Yudong

; APPLICANT: Linsley, Peter S.

; APPLICANT: Mao, Mao

; APPLICANT: Roberts, Christopher J.

; APPLICANT: Van 't Veer, Laura Johanna

; APPLICANT: Van de Vijver, Marc J.

; APPLICANT: Bernards, Rene

; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients

; FILE REFERENCE: 9301-188-999

; CURRENT APPLICATION NUMBER: US/10/342,887

; CURRENT FILING DATE: 2003-01-15

; PRIOR APPLICATION NUMBER: 60/298,918

; PRIOR FILING DATE: 2001-06-18

; PRIOR APPLICATION NUMBER: 60/380,710

; PRIOR FILING DATE: 2002-05-14

; PRIOR APPLICATION NUMBER: 10/172,118

; PRIOR FILING DATE: 2002-06-14

; NUMBER OF SEQ ID NOS: 2699

; SEQ ID NO 1730

; LENGTH: 3052

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-342-887-1730

Query Match 9.8%; Score 325.6; DB 5; Length 3052;  
Best Local Similarity 55.1%; Pred. No. 6e-59;  
Matches 759; Conservative 0; Mismatches 589; Indels 30; Gaps 5;

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Qy      1235 AGACATACCCACGCGAGGAAGCTGTGTGGCAGCAAGGACAGCTTCGAGATGTGCCCACTTTG 1294
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      7 AAACATCCCCAGCATGTGAGATGTGTGACCAGAGACACAATATCACCATGTGCCCGCTTTG 66

Qy      1295 CCTCGA---CTGCCCTTTCTGGCTGTCTCCAGCGCCTGTGCCCTGGCCAGGCGGCGCG 1351
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      67 CGACAAGACCTGCAGCTACTGGAAGATGAGCTCAGCCTGCGCCACGGCCCGCCAGCCA 126

Qy      1352 GCTGTTCGACCACGGCGGCGACCGTGTCTTTCAGCTTGTTCATGGCACTGTGGCCGTGCT 1411
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      127 CCTCTTCGACAACCCCGCCACGGTCTTCTCTCTGTCTTCATGGCCCTCTGGGCTGCCAC 186

Qy      1412 GCTGTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCCTACCGCTGGGACTGTCTCTGA 1471
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      187 CTTTCATGGAGCACTGGAAGCGGAACAGATGCGACTCAACTACCGCTGGGACCTACGGG 246

Qy      1472 CTACGAGGACACTGAGGAG-----AGGCCTCGGCCCCAGTTTGGCGCCTCAGC 1519
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      247 CTTTGAAGAGGAAGGAGGCTGTCAAGGATCATCTTAGAGCTGAATACGAAGCCAGAGT 306

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Qy	1520	CCCCATGACAGCCCGGAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAG	1579
Db	307	CTTGAGAAAGTCTCTGAAGAAAGAGTCCAGAAACAAGAGACTGACAAAGTGAAGCTGAC	366
Qy	1580	CCGCGCGCGCCGCATGCTGGCCGG-----CTCTGTGGTGATCGTGGTGATGGTGGC	1630
Db	367	ATGGAGAGATCGGTTCCAGCCTACCTCACTAACTTGGTCTCCATCATCTTCATGATTGC	426
Qy	1631	CGTGGTGGTCACTGTGCCTCGTGCTATCATCTGTACCGTGCCATCATGGCCATCGTGGT	1690
Db	427	AGTGACGTTTGCCATCGTCTCGGCGTCATCATCTACAGGATCTCCATGGCCGCCGCTT	486
Qy	1691	GTCCAGGTCGGGCAACACCCCTTCTCGCAGCCTGGGCCTCTCGCATCGCCAGCCTCACGGG	1750
Db	487	GGCCATGAACCTCTCCCGCTCCGTGCGGTCCAACATCCGGGTACAGTACAGCCAGCCG	546
Qy	1751	GTCTGTAGTGAACCTCGTCTTCATCTCATCTCTCCAAGATCTATGTATCCCTGGCCCA	1810
Db	547	GGTCATCATCAACCTAGTGGTCATCATCTCTCGGACGAGGTGTATGGTGCATAGCCCG	606
Qy	1811	CGTCTGTACACGATGGGAAATGCACCGCACCCAGACCAAGTTTCGAGGACGCCTTACCCCT	1870
Db	607	ATGGCTCACCAAGATCGAGGTCCCAAAGACGGAGAAAAGCTTTGAGGAGAGGCTGATCTT	666
Qy	1871	CAAGGTGTTTCACTCTCCAGTTCGTCAACTTCTACTCTCACCCGCTACATTGCCTTCTT	1930
Db	667	CAAGGCTTTCCTGCTGAAGTTTGTGAATTCTACACCCCATCTTTTACGTGGCTTCTT	726
Qy	1931	CAAGGGCAGGTTTGTGGGATACCCAGGCAACTACC---ACACCTTGTGTTGGAGTCCGCAA	1987
Db	727	CAAAGGCCGTTTGTGGACGCCGGGCGACTACGTGTACATTTCCGTTCTCTCCGAAT	786
Qy	1988	TGAGGAGTGC GCGGCTGGAGGCTGCCTGATCGAGCTGGGCACAGGAGCTCCTGGTCATCAT	2047
Db	787	GGAAGAGTGTGCGCCAGGGGCTGCCTGATGAGGATATGCATCCAGCTCAGCATCATCAT	846
Qy	2048	GGTGGGCAAGCAGGTTCATC---AACAAATGCAGGAGGTCTCATCCGAAGCTAAAGGG	2104
Db	847	GCTGGGGAACAGCTGATCCAGAACAACCTGTTTCGAGATCGGCATCCCGAAGATGAAGAA	906
Qy	2105	CTGGTGGCAGAAAGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGC	2164
Db	907	GCTCATCCGCTACCTGAAGCTGAAGCAGCAGAGCCCCCTGACCACGAGGAGTGTGTGAA	966
Qy	2165	TAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGA	2224
Db	967	GAGGAAACAGCGGTACGAGGTGGATTACAACCTGGAGCCCTTCGCGGGGCTCACCCAGA	1026
Qy	2225	GTACCTGGAAATGGTGTCTGCAGTTCGGCTTCGTACCATCTTCGTGGCCGCCTGTCCGCT	2284
Db	1027	GTACATGGAATGATCATCCAGTTTGGCTTCGTACCCCTGTTTGTGCGCTCCTTCCCCCT	1086
Qy	2285	CGCGCCGCTCTTCGCCCTGTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTT	2344
Db	1087	GGCCCCACTGTTTGGCTGCTGAACAACATCATCGAGATCCGCGTGGACGCCAAAAGTT	1146

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Qy      2345 CGTCTGCGAGTACCGGCGCCCTGTGGCCGAGCGCGCCACGACATCGGCATCTGGTTCCA 2404
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      1147 GTGCACTGAGCTCCGAAGGCCGTAGCTGTCAAGACCAAGACATCGGAATCTGGTACAA 1206

Qy      2405 CATCCTGGCGGGCCTCACGCACCTGGCGGTATCAGCAACGCCTTCCTCCTGGCCTTCTC 2464
        ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      1207 TATCCTCAGAGGCATTGGGAAGCTTGCTGTCAATCATCAATGCCTTCGTATCTCCTTCAC 1266

Qy      2465 GTCCGACTTCTGCGCGCGCCTACTACCGGTGGACCCGCGCCACGACCTGCGCGGCTT 2524
        ||| ||||| ||||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      1267 GTCTGACTTCATCCCGCGCCTGGTGTACCTCTACATGTACAGTAAGAACGGGACCATGCA 1326

Qy      2525 CCTCAACTTCACGCTGGCGCGAGCCCGTCTCTCTTCGCGCGCGGCACAACCGCACG 2582
        | | | ||| | | | | | | | | | | | | | | | | | | | | | |
Db      1327 CGGCTTCGTCAACCACACCTCTCTCTCTCAACGTCAAGTCACTTCCAGAACGGGCACG 1384

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## RESULT 9

US-10-104-047-604

; Sequence 604, Application US/10104047

; Patent No. 6943241

; GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 6943241e1 full length cDNA

; FILE REFERENCE: H1-A0105

; CURRENT APPLICATION NUMBER: US/10/104,047

; CURRENT FILING DATE: 2002-03-25

; PRIOR APPLICATION NUMBER:

; PRIOR FILING DATE:

; NUMBER OF SEQ ID NOS: 4096

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 604

; LENGTH: 3898

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-104-047-604

```

Query Match          9.1%; Score 301.6; DB 3; Length 3898;
Best Local Similarity 50.9%; Pred. No. 8e-54;
Matches 871; Conservative 0; Mismatches 824; Indels 15; Gaps 6;

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Qy      780 GAGTACTACTCTGCCGTTTCAGAGTGAACAAGCTGCCACGCTTCTCGGGAGTGACAAC 839
        ||| |||| | | |||| | | | | | | | | | | | | | | | |
Db      950 GACTGCTACATGCCCTTTTCAGCCAGCAAAAGGATCCATCACTTCATC---ATACACAAC 1006

Qy      840 CAGGACACCTTCTTCAACAGCACCAAGAGGCCACCAAAATCTGTTTGAGATCCTGGCCAAG 899
        | | | | ||||| | | | | | | | | | | | | | | |
Db      1007 AAAGAAACGTTCTTCAACAATGCCACAAGAAGTAGAATCGTGCATCACATTTTACAAAGA 1066

Qy      900 ACCCGTATGGCCACGAGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGT 959
        | ||| | |||| | | | | | | | | | | | | | | |
Db      1067 ATAAATATG---AAGAAGGAAAAACAAGATTGGTCTGAATCGTTTGCTTACCAATGGC 1123

Qy      960 GTCCTCAGTGCCGCTTCCCCCTGCATGACGGCCCTTCAAGACGCCCCAGAGGGCCCG 1019
        | ||| | ||||| ||| | | | | | | | | | |

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Db	1964	GAAAAGAGTTGCCCTGCTTCTGACGAATTTAGAACAGCCTCGCACAGAGTCTGAGTGGGAG	2023
Qy	1857	GACGCCTTCACCCCTCAAGGTGTTTCATCTTCCAGTTCGTCAACTTCTACTCTCACCCGTC	1916
Db	2024	AACAGCTTCACCCCTGAAAAATGTTTCTTTTCAGTTTGTCAACTCGAACAGCTCCACATT	2083
Qy	1917	TACATTGCCTTCTTCAAGGCGAGGTTTGTGGGATACCCAGGCACTACCACACCTTGTT-	1975
Db	2084	TACATCGCATTCTTCTCGGAAGATTACAGGACACCCAGGTGCCTACTTGAGGCTGATA	2143
Qy	1976	--TGGAGTCCGCAATGAGGAGTGC CGGCTGGAGGCTGCCTGATCGAGCTGGCACAGGAG	2033
Db	2144	AACAGGTGGAGACTAGAAGAGTGCCACCCTAGTGGATGCCTTATTGATCTGTGTATGCAA	2203
Qy	2034	CTCCTGGTCATCATGTTGGTGGGCAAGCAGGTCATCAACAACATGCGAGAGGTCTCATCCCG	2093
Db	2204	ATGGGTATTATAATGGTGCTAAAGCAGACCTGGAATAATTTTCATGGAACCTTGGCTACCCG	2263
Qy	2094	AAGCTAAAGGGCTGGTGGCAGAAAGTTCGGCTTCGCTCCAAGAAGAGGAAGCGGGAGCT	2153
Db	2264	TAAATTCAGAATTGGTGGACTAGAAGAAAAGTACG--ACAAGAACATGGACCTGAAAGGA	2321
Qy	2154	TCTGCGAGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGT	2213
Db	2322	AAATAAGTTTCCCAATGGGAAA-AGGACTATAACCTTCAGCCGATGAATGCCTATGGA	2380
Qy	2214	CTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGCTTCGTACCATCTTCGTGGCC	2273
Db	2381	CTCTTCGATGAATACCTAGAAATGATTCTTCAGTTTGGAATCACAACTATCTTTGTGGCA	2440
Qy	2274	GCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAACATGGGTGGAGATCCGCTTGGAC	2333
Db	2441	GCTTTTCCCTAGCACCACCTTCTGGCCTTACTGAATAACATAAATTGAAATTCGACTTGAT	2500
Qy	2334	GCGCGCAAGTTTCGTCTCGAGTACCGGCGCCCTGTGGCCGAGCGCGCCAGGACATCGGC	2393
Db	2501	GCTTACAAATTTGTACACAGTGGAGGAGACCTTTAGCTTCAAGGGCCAAAGACATAGGA	2560
Qy	2394	ATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCGGTTCATCAGCAACGCCTTCTCTC	2453
Db	2561	ATTTGGTATGGAATCTTGAAGGCATTGGAATTCCTCTGTATATCACAATGCATTGTGC	2620
Qy	2454	CTGGCCTTCTCGTCCGACTTCTGCGCCGCGC	2483
Db	2621	ATAGCGATAACATCTGACTTTATCCCTCGC	2650

## RESULT 10

```

US-10-104-047 571
; Sequence 571, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047

```



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; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 571
; LENGTH: 2736
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-104-047-571

```

```

Query Match      8.7%; Score 286.6; DB 3; Length 2736;
Best Local Similarity 51.7%; Pred. No. 1.1e-50;
Matches 752; Conservative 0; Mismatches 694; Indels 9; Gaps 4;

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Qy      1035 AACCAGCGCCAAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTGGAACAAGTACCAG 1094
          ||||| || || || || || || ||||| ||||| ||||| |||||
Db      31 AACCACCGACATCTACTCTATGAGTGCTGGGCCCTCTGGGCGGTGTGTATATAATACCAA 90

Qy      1095 CCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAAGTGGCCCTCTACTTCGCCTGGGCTC 1154
          || ||||| || || ||||| || ||||| || ||||| || |||||
Db      91 CCTTTGGATCTTGTAAAGCGGTACTTTGGAGAGAGAAGATTGGGTATATTTTGCCTGGTTG 150

Qy      1155 GGGTTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTTCCTGGTG 1214
          || ||||| || || ||||| || || ||||| || || ||||| || |||||
Db      151 GGCTGGTACACCGCATGCTCTTCCAGCTGCCTTTCATTGGATTGTTTGTCTTTTGTAT 210

Qy      1215 GGCTGCTTCTCGTGTCTTCTCAGACATACCCACGACGGAAGTGTGTGGCAGCAAGGACAGC 1274
          ||| || || || || || || || || || || || || || || || ||
Db      211 GGCGTCACCACTCTGGATACACAGCCAGTCAGTAAAGAAGTCTGCCAAGCTACAGATATC 270

Qy      1275 TTCGAGATGTGCCCACTTTGCTCGACTGCGCTTTCTGGCTGCTCTCCAGCGCCTGTGCC 1334
          || || || || || || || || || || || || || || || || ||
Db      271 ATCATGTGTCTGTGTGTGATAAATACTGTCCATTTCATGAGGCTGTCAGACAGCTGTGTA 330

Qy      1335 CTGGCCCAGGCGCGCGGCTGTTTCGACCACGCGCGGACCGTGTCTTTCAGCTTGTTCATG 1394
          || || || || || || || || || || || || || || || || ||
Db      331 TATGCCAAGGTAACCCACCTTTTGTACAATGGAGCCACTGTCTTCTTGTGCTTTTCATG 390

Qy      1395 GCACTGTGGGCGGTGCTGCTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTAC 1454
          ||| || |||| || || ||||| ||||| || || || || || || ||
Db      391 GCAGTCTGGGCAACAGTTTTTCTGGAGTTTGGAAAAGACGGCGAGCAGTAATTGCTTAT 450

Qy      1455 CGCTGGGACTGCTCTGACTACGAGGACACTGAGGAGAGGCCTCGGCCCCAGTTTGCCGCC 1514
          ||||| || |||| || || ||||| ||||| || ||||| ||||| |||
Db      451 GACTGGGATTTGATAGACTGGGAAGAAGAGGAGGAAGAAATACGACCCAGTTTGAAGCC 510

Qy      1515 TCAGCCCCCATGACAGCCCC---GAACCCCATCACGGGTGAGGACGAGCCCTACTTCCT 1571
          || || || || || || || || || || || || || || || || ||
Db      511 AAGTATTTCCAAGAAAGAGCGGATGAATCCAAATTTCTGAAAGCCAGAACCTTATCAAGCA 570

Qy      1572 GAGAGGAGCCGCGCGCCGCATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCC 1631
          | || || || || || || || || || || || || || || || ||
Db      571 TTACAGATAAATGCAGCAGACTTATCGTTTCTGCATCTGGAATATTTTTATGATCTGC 630

Qy      1632 GTGGTGGTCATGTGCTCGTGTCTATCATCTGTACCGTGCCATCATGGCCATCGTGGTG 1691

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[http://es.ScoreAccessWeb/GetItem.action?AppId=105525...16\\_112342\\_us-10-552-515-2.rmi&ItemType=4&startByte=0](http://es.ScoreAccessWeb/GetItem.action?AppId=105525...16_112342_us-10-552-515-2.rmi&ItemType=4&startByte=0) (18 of 27)3/19/2009 6:32:33 PM

|||| | || |||

Db 1468 GACTTTATCCCTCGC 1482

## RESULT 11

US-10-108-260A-2040

; Sequence 2040, Application US/10108260A

; Patent No. 7193069

; GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 7193069e1 full length cDNA

; FILE REFERENCE: H1-A0106

; CURRENT APPLICATION NUMBER: US/10/108,260A

; CURRENT FILING DATE: 2002-03-27

; NUMBER OF SEQ ID NOS: 5458

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2040

; LENGTH: 2118

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-108-260A-2040

Query Match 7.6%; Score 252.6; DB 5; Length 2118;  
 Best Local Similarity 54.3%; Pred. No. 1.7e-43;  
 Matches 616; Conservative 0; Mismatches 489; Indels 30; Gaps 4;

```

Qy      841 AGGACACCTTCTTCACAAGCACCAAGAGGCACCAAATCTGTTGAGATCCTGGCCAAGA 900
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      731 AGGATTCCTTTTTCGACAGCAAAACCCGGAGCAGATTGTCTATGAGATCTTGAAGAGAA 790

Qy      901 CCCC GTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGTG 960
      | ||| | | | ||| | | | ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      791 CGACGTGTACAAAGGCCAAGTACAGCATG---GGCATCACGAGCCTGCTGGCCAATGGTG 847

Qy      961 TCCTCAGTGGCGCCTTCCCTCGCATGACGGCCCTTCAAGACGCCCCAGAGGGCCCGC 1020
      | ||| | | | ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      848 TGTACGCGGCTGCATACCCACTGCACGATGGAGACTACACGGTGAAAACGTCGAGT--- 904

Qy      1021 AGGCTCCACGCCTCAACAGCGCCAAGTCTTTTCCAGCACTGGGCGCGCTGGGCAAGT 1080
      |||| | | | ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      905 -----TCAACGACAGAAAACCTCTGTACGAAGAGTGGGCACGCTATGGAGTTT 952

Qy      1081 GGAACAAGTACCAGCCCTGGACCAGTGCAGGTA CTTCGGGGAGAAGGTGGCCCTCT 1140
      | ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      953 TCTATAAGTACCAGCCCATCGACCTGGTACGGAAGTATTTTGGGGAGAAGATCGGCCCTGT 1012

Qy      1141 ACTTCGCCTGGCTCGGGTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACAC 1200
      |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      1013 ACTTCGCCTGGCTGGGCGTGTACACCCAGATGCTCATCCCTGCCTCCATCGTGGGAATCA 1072

Qy      1201 TGGTGTCTCTGGTGGGCTGCTTCTGTGTCTCTCAGACATACCCACGAGGAAC TGTGTG 1260
      || ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      1073 TTGTCTCTCTAGCGATGCGCCACCATGGATGAAACATCCCCAGCATGGAGATGTGTG 1132

Qy      1261 GCAGCAAGGACAGCTTCGAGATGTGCCACTTTGCCTCGA---CTGCCCTTTCTGGCTGC 1317
      | | ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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Db      1133 ACCAGAGACACAATATCACCATGTGCCCGCTTTGCGACAAGACCTGCAGCTACTGGAAGA 1192
Qy      1318 TCTCCAGCGCCTGTGCCCTGGCCAGGCCGGCCGGCTGTTCGACCACGGCGGCACCGTGT 1377
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1193 TGAGCTCAGCCTGCGCCACGGCCCGGCCAGCCACCTCTTCGACAACCCCGCCACGGTCT 1252
Qy      1378 TCTTCAGCTTGTTTCATGGCACTGTGGGCCGTGCTGCTGCTGGAGTACTGGAAGCGGAAGA 1437
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1253 TCTTCTCTGCTTCATGGCCCTCTGGGCTGCCACCTTCATGGAGCACTGGAAGCGGAAAC 1312
Qy      1438 GCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGAGAGGCCTC 1497
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1313 AGATGCGACTCAACTACCGCTGGGACCTCACGGGCTTTGAAGAGGAAGAGGATCATCCTA 1372
Qy      1498 GGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGTGAGGACG 1557
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1373 GAGCTGAATACGAAGCCAGAGTCTTGAGAAAGTCTCTGAAGAAAGAGTCCAGAAACAAAG 1432
Qy      1558 AGCCCTACTTCCCTGAGAGGAGCCGCGCGCCGCATGCTGGCC-----GGCTCTG 1608
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1433 AGACTGACAAAGTGAAGCTGACATGGAGAGATCGGTTCCCGAGCTACCTCACTAAGTGG 1492
Qy      1609 TGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCCTCGTGCTATCATCTGTACC 1668
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1493 TCTCCATCATCTTCATGATTGCACTGACGTTTGCCATCGTCTCGGCGTCATCATCTACA 1552
Qy      1669 GTGCCATCATGGCCATCGTGGTGTCAGGTCGGGCAACACCCCTTCTCGCAGCCTGGGCCT 1728
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1553 GGATCTCCATGGCCGCCGCTTGCCATGAACCTCCTCCCCCTCGTGCGGTCCAACATCC 1612
Qy      1729 CTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCA 1788
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1613 GGGTCACAGTCACAGCCACCGCGGTATCATCAACCTAGTGGTCATCATCTCTCTGGACG 1672
Qy      1789 AGATCTATGTATCCTTGCCACGTCCTGACACGATGGGAAATGCACCCGACCCAGACCA 1848
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1673 AGGTGTATGGCTGCATAGCCCGATGGCTCACCAAGATCGAGGTCCCAAAGACGGAGAAA 1732
Qy      1849 AGTTCGAGGACGCCTTACCCCTCAAGGTGTTTCATCTTCCAGTTTCGTCAACTTCTACTCCT 1908
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1733 GCTTTGAGGAGAGGCTGATCTTCAAGGCTTTCTGCTGAAGTTTGTGAATTCTACACCC 1792
Qy      1909 CACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTA 1963
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1793 CCATCTTTTACGTGGCGTCTTCAAGGGCGGTTTGTGGAGCGCCGGGCGGACTA 1847

```

## RESULT 12

US-10-108-260A-1547

; Sequence 1547, Application US/10108260A

; Patent No. 7193069

; GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 7193069e1 full length cDNA

; FILE REFERENCE: H1-A0106

; CURRENT APPLICATION NUMBER: US/10/108,260A

```
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1547
; LENGTH: 2158
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-1547
```

Query Match 7.2%; Score 239.2; DB 5; Length 2158;  
Best Local Similarity 52.3%; Pred. No. 1.2e-40;  
Matches 693; Conservative 0; Mismatches 568; Indels 63; Gaps 5;

Qy	1508	TGCCGCTCAGCCCCCATGACAGCCCCGAACCCCATACGGGTGAGGACGAGCCCTACTT	1567
Db	276	TGCCGTGTCTGAGGAGGAAATGGCACTTCAGCTCATTAAGTGCCTCCGACTACAAGCTCCG	335
Qy	1568	CCCTGAGAGGAGCCGCGCGCCGCATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGT	1627
Db	336	GCCATACCAGCACTCTCTACCTACGCAAGCACCCTCATCTCGTCTGACCTGCTCATGAT	395
Qy	1628	GGCCGTGGTGGTTCATGTGCCTCGTGTCTATCATCTCTGTACCGTGCCATCATGGCCATCGT	1687
Db	396	CTGCCTCATGATCGGCATGGCCACGCTCTGTGTGGTCTACCGCGCTCTGGCCTCCGCGCT	455
Qy	1688	GGTGTCAGGTGCGGCAACACCCCTTCTCGAGCCTGGGCTCTCGCATCGCCAGCCTCAC	1747
Db	456	CTTCAGCAGCTCGGCCGTGCCCTTCCTGGAGGACAGGTGACCACGGCCGTGGTGGTGAC	515
Qy	1748	GGGGTCTGTAGTGAACCTCGTCTTCATCTCATCTCTCCAAGATCTATGTATCCCTGGC	1807
Db	516	CGGGGCTCTGGTGCACTATGTGACCATCGTCATCATGACCAAGATCAACAGGCGCGTGGC	575
Qy	1808	CCACGTCTTGACAGATGGGAAATGCACCGCACCCAGACCAAGTTCGAGGACGCCCTTCAC	1867
Db	576	CCTGAAGCTTTGTGACTTCGAGATGCCAGGACCTTCTCGGAGCGAGAGACAGGTTTCAC	635
Qy	1868	CCTCAAGGTGTTTCATCTTCCAGTTCGTCAACTTCTACTCTCACCCGTCTACATTGCCCTT	1927
Db	636	CATCCGCTTCTTCACACTGCAGTTCTTCAACCAATTTCTCGTCTCTCATCTACATCGCCTT	695
Qy	1928	CTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACACCTTGTTTGGAGTCCGCAA	1987
Db	696	CATCTTGGGCAGGATCAACAGGCCACCCCGGGAAGTCCACGCGCTTGGCGGGCTTGTGGAA	755
Qy	1988	---TGAGGAGTGCGCGGCTGGAGGCTGCCTGATCGAGCTGGCACAGGAGCTCCTGGTTCAT	2044
Db	756	GCTGGAAGAGTGCCACGCCAGCGGCTGCATGATGGAACCTCTTCGTGCAGATGGCCATCAT	815
Qy	2045	CATGGTGGGCAAGCAGGTTCATCAACAACATGCAGGAGGTCTCATCCCGAAGCTAAAGGG	2104
Db	816	CATGGGCCTGAAGCAGACGCTCAGCAACTGCGTCGAGTACCTGGTCCCGTGGGTGACCCA	875
Qy	2105	CTGGTGGCAGAAGTTCGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTTCGAGGGGC	2164
Db	876	CAAGTGCC---GCTCTCTCGCGGCCCTCCGAGTCCGGGCACCTGCCCGGGGACCCGAGCT	932

Qy	2165	TAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGA	2224
Db	933	CAGGGACTGGCGGGCGCAACTACCTTCTGAACCCGGTCAACACCTTCAGCCTGTCGACGA	992
Qy	2225	GTACCTGGAAATGGTGTGCAGTTCGGCTTCGTACCATCTTCGTGGCCGCCTGTCCGCT	2284
Db	993	GTTTCATGGAGATGATGATCCAGTACGGCTTCAACCACTCTTCGTGGCCGCCTTCCCGCT	1052
Qy	2285	CGCGCCGCTCTTCGCCCTGTCTAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTT	2344
Db	1053	GGCGCCGCTGTCTCGCGCTCTTCAGCAACCTCGTGGAGATCCGCTTGGACGCCATCAAGAT	1112
Qy	2345	CGTCTGCGAGTACCGGCGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTTCCA	2404
Db	1113	GGTCTGGTTCGAGCGGCGCTGGTGCCGCGCAAGGCCAAGGACATCGGGACCTGGCTGCA	1172
Qy	2405	CATCCTGGCGGGCCTCACGCACCTGGCGGTATCAGCAACGCCCTTCCTCCTGGCCTTCTC	2464
Db	1173	GGTGTGGAGACCATCGGTGTGCTGGCGGTCAATGCCAATGGGATGGTCATTGCCTTCAC	1232
Qy	2465	GTCCGACTTCTGCCGCGCGCCTACTACCGGTGGACCCGCGCCACGACCTG-----	2516
Db	1233	ATCTGAGTTATCCCCCGAGTGGTCTACAAGTACCCTATAGCCCATGCCTGAAAGAAGG	1292
Qy	2517	-----CGCGGCTTCCTCAACTTCACGCTGGCGCGAGCCCGTCTCCTTCGCGCG	2566
Db	1293	CAACTCTACTGTGCGATGCCTCAAGGGCTACGTCAACCACAGCCTGTCCGTCTCCACAC	1352
Qy	2567	CGCGCACAAAC-----GCACGTGCAGGTA	2590
Db	1353	CAAGGACTTCCAGGACCTGATGGGATTGAGGGCTCAGAAAACGTGACTCTGTGCAGATA	1412
Qy	2591	TCGGGCTTTCCGGGAT--GACGATGGACATTATCCAGACCTACTGGAATCTTCTTGC	2647
Db	1413	CAGGGACTACCGCAATCCCCCGATTACAACCTTCCGAGCAGTTCTGGTTCTCCTCTGGC	1472
Qy	2648	CATCCGCCTGGCCTTCGTGCTTGTGTTGAGCATGTGGTTTTCCTCCGTTGGCCGCTCCT	2707
Db	1473	CATCCGCTGGCCTTCGTATCCTCTTTGAGCACGTGGCCTTGTGCATCAAGCTCATCGC	1532
Qy	2708	GGACCTCTGGTGCTGACATCCAGAGTCTGTGGAGATCAAGTGAAGCGGGAGTACTA	2767
Db	1533	CGCCTGGTTCGTGCGCGACATCCCTCAGTCGGTGAAGACAAGGTTCTGGAGGTGAAGTA	1592
Qy	2768	CCTG 2771	
Db	1593	CCAG 1596	

RESULT 13

US-09-270-767-13982

; Sequence 13982, Application US/09270767

; Patent No. 6703491

; GENERAL INFORMATION:

; APPLICANT: Homburger et al.

```
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13982
; LENGTH: 1282
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-13982
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Query Match 6.5%; Score 216.2; DB 3; Length 1282;  
 Best Local Similarity 53.9%; Pred. No. 8.2e-36;  
 Matches 496; Conservative 0; Mismatches 413; Indels 12; Gaps 2;

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Qy      1587 CGCCGCATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGC 1646
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      169  CCCGCCACCGCTGTTACAGCTTTTCAGTGGTACTGCTCCTAATTGACTGGCCCTTTGTGGCA 228

Qy      1647 CTCGTGTCTATCATCCTGTACCGTGCCATCATGGCCATCGTGGTGTCCAGGTCGGGCAAC 1706
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      229  CTGCTGGCAGTGGTGTATACCGAATGTCCATGCTGGCCGCCCTTAAAGTGGGTGCTAGT 288

Qy      1707 ACCCTTCTCGCAGCCTGGGCTCTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTC 1766
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      289  CCCATGACCACCTCTAGCGCTATTGTCTAGCCATGCATCAGCTGCCTTTGTAAATCTG 348

Qy      1767 GTCTTCATCCTCATCCTCTCCAAGATCTATGTATCCCTGGCCACGCTCTGACACGATGG 1826
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      349  TGCCGTGCTCTATATACCTTAATTATATGTACAATCATTGGCTGAGTACCTGACAGAGCTG 408

Qy      1827 GAAATGCACCGCACCCAGACCAAGTTTCGAGGACGCCTTCACCTCAAGGTGTTTCATCTTC 1886
        ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      409  GAAATGTGGCGCACTCAAACCTCAGTTCGATGACTCGCTTACCCTTAAAAATTTATCTGCTG 468

Qy      1887 CAGTTCGTCAACTTCTACTCCTACCCGCTCATATTGCCCTTCTCAAGGGCAGGTTTGTG 1946
        ||||| || |||| |||| |||| || |||| || ||||| ||||| || ||||
Db      469  CAGTTTGTAACTACTACGCTCCATTTTTACATAGCTTCTTCAAGGGTAAATTCGTT 528

Qy      1947 GGATACCCAGGCAACTACACACCTTGTTTGGAGTCCGCAATGAGGAGTGC CGGGCTGGA 2006
        || |||| || |||| || |||| || |||| ||||| ||||| || ||||
Db      529  GGTATCCGGGAGAGTATAATAAGCTTTTTGACTATCGGCAGGAGGAGTGCTCATCGGGT 588

Qy      2007 GGCTGCCTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATC 2066
        ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      589  GGCTGTTTAAACGGAGCTGTGCATCCAGTTAGCCATTATAATGGTTGGCAAGCAGGCATTC 648

Qy      2067 AACACATGCAGGAGG-----TCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTC 2120
        |||| || |||| || |||| || |||| || ||||| || |||| |||||
Db      649  AACACTATTCTTGAAGTGATCTTCCCATGTTCTGGCGAAAGGTTTTGGCCATTAGGTG 708

Qy      2121 CGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTCTCGAGGGGCTAGCCAGGGGCCCTGG 2180
        |||| || || || |||| || |||| || |||| ||||| ||||| |||||
Db      709  GGCTGTCTCGGACTTTTCAACAACACCCCGAATCCAGACAAGACGAAAGACGAACGCTGG 768
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[http://es.ScoreAccessWeb/GetItem.action?AppId=105525...16\\_112342\\_us-10-552-515-2.rni&ItemType=4&startByte=0](http://es.ScoreAccessWeb/GetItem.action?AppId=105525...16_112342_us-10-552-515-2.rni&ItemType=4&startByte=0) (24 of 27)3/19/2009 6:32:33 PM



Qy	1879	TCATCTTCCAGTTCGTCAACTTCTACTCCTCACCCGCTCTACATTGCCTTCTTCAAGGGCA	1938
Db	444	TTCCTTTTTCAGTTTGTCAATCTGAACAGCTCCACATTTTACATCGCATTCTTCTCTCGGAA	503
Qy	1939	GGTTTGTGGGATACCCAGGCAACTACCACACCTTGT---TGGAGTCCGCAATGAGGAGT	1995
Db	504	GATTTACAGGACACCCAGGTGCCTACTTGAGGCTGATAAACAGGTGGAGACTAGAAGAGT	563
Qy	1996	GCGCGGCTGGAGGCTGCCTGATCGAGCTGGCAGAGAGCTCCTGGTCATCATGGTGGGCA	2055
Db	564	GCCACCCCTAGTGGATGCCTTATTGATCTGTGTATGCAAAATGGGTATTATAATGGTGCTAA	623
Qy	2056	AGCAGGTCATCAACAACATGCAGGAGGTCTCATCCCGAAGCTAAAGGGCTGGTGGCAGA	2115
Db	624	AGCAGACCTGGAATAATTTCATGGAACCTGGCTACCCGTTAATTCAGAAATTGGTGGACTA	683
Qy	2116	AGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGC	2175
Db	684	GAAGAAAAGTACG--ACAAGAACATGGACCTGAAAGGAAAATAAGTTTCCCAACAATGGG-	740
Qy	2176	CCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAA	2235
Db	741	AAAAGGACTATAACCTTCAGCCGATGAATGCCTATGGACTCTTCGATGAATACTTAGAAA	800
Qy	2236	TGGTGCTGCAGTTCGGCTTCGTCACCATCTTCGTGGCCGCGTCTCCGCTCGCGCCGCTCT	2295
Db	801	TGATTCTTCAGTTTGGATTCACAACTATCTTGTGGCAGCTTTTCCCTAGCACCACTTC	860
Qy	2296	TCGCCCTGCTCAACAACATGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGT	2355
Db	861	TGGCCTTACTGAATAACATAATTGAAATTCGACTTGTATGCTTACAAATTGTCACACAGT	920
Qy	2356	ACCGGCGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTTCACATCTTGGCGG	2415
Db	921	GGAGGAGACCTTTAGCTTCAAGGGCCAAAGACATAGGAATTTGGTATGGAATTCTTGAAG	980
Qy	2416	GCCTCACGACCTGGCGGTATCAGCAACGCTTCTCCTCGGCTTCTCGTCCGACTTCC	2475
Db	981	GCATTGGAATTCTCTCTGTTATCACAATGCATTGTGCATAGCGATAACATCTGACTTTA	1040
Qy	2476	TGCCGCGC 2483	
Db	1041	TCCCTCGC 1048	

## RESULT 15

US-10-100-683-1599

; Sequence 1599, Application US/10100683

; Patent No. 7368531

; GENERAL INFORMATION:

; APPLICANT: Rosen, et al.

; TITLE OF INVENTION: Human Secreted Proteins

; FILE REFERENCE: PS900

; CURRENT APPLICATION NUMBER: US/10/100,683

; CURRENT FILING DATE: 2002-03-19

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; PRIOR APPLICATION NUMBER: US 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: US 60/043,576
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,601
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,845
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,580
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,599
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,664
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,314
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,632
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,892
; PRIOR FILING DATE: 1997-08-22
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13468
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1599
; LENGTH: 2371
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-100-683-1599

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Query Match 4.8%; Score 157.2; DB 7; Length 2371;  
 Best Local Similarity 61.9%; Pred. No. 3.2e-23;  
 Matches 249; Conservative 0; Mismatches 153; Indels 0; Gaps 0;

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Qy      2181 GAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAATGTTG 2240
        |||| || || | || | |||| | || || || |||| |||| || || ||
Db      6 GAGGTGGAATTACAACCTGGAGCCCTTCGCGGGCTCACCCAGAGTACATGGAATGATC 65

Qy      2241 CTGCAGTTCGGCTTCGTACCATTCTCGTGGCCGCTGTCCGCTCGCGCCGCTCTTCGCC 2300
        | |||| |||| |||| || || || || || || || || || || || ||
Db      66 ATCCAGTTTGCTTCGTACCCCTGTTTGTGCGCTCCTTCCCCCTGGCCCCACTGTTTGC 125

Qy      2301 CTGCTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGG 2360
        |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||
Db      126 CTGCTGAACAACATCATCGAGATCCGCTGGACGCCAAAAAGTTTGTCACTGAGCTCCGA 185

Qy      2361 CGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTTCACATCTCGCGGGCCTC 2420
        | || || || | || | |||| |||| |||| || || || || || || |
Db      186 AGGCCGCTAGCTGTGAGAGCCAAAGACATCGGAATCTGGTACAATATCTCAGAGGCATT 245

Qy      2421 ACGCACCTGGCGGTTCATCAGCAACGCCTTCTCTGCGCTTCTCGTCCGACTTCTGCGG 2480
        | || || || |||| || || |||| | | |||| || || |||| || ||
Db      246 GGAAGCTTGTGTGTCATCATCAATGCCTTCGTGATCTCCTTCACGTCTGACTTCATCCG 305

Qy      2481 CGCGCTTACTACCGGTGGACCCGCGCCACGAGCTGCGCGGCTTCTCAACTTACGCTG 2540
        ||| |||| || || | || | || || || || || || || || || ||
Db      306 CGCCTGGTGTACCTCTACATGTACAGTAAGAAGCGGACCATGCACGGCTTCGTCAACCAC 365

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Qy      2541 GCGCGAGCCCGTCCTCCTTCGCCGCCGCGCACAAACCGCACG 2582
          | |  | | | | | | | |  | |  | | | | | | | |
Db      366 ACCCTCTCCTCCTTCAACGTCAGTGACTTCCAGAACGGCACG 407
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Search completed: March 16, 2009, 16:47:17

Job time : 1176 secs

SCORE 3.0